Priyadarshi Dey

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EDUCATION

University of Memphis — Memphis, TN, USA
Doctor of Philosophy. Summer 2021. Advisor: Fernanda Botelho — Aug 2016 - July 2021
Thesis title: *Hermitian projections and Geometric properties of Banach spaces*

Indian Institute of Science Education and Research — Kolkata, India
Master of Science in Mathematics.
Thesis title: Majorization and its Applications. Advisor: Mithun Mukherjee — GPA: 3.26/4.00 — July 2013-June 2016

EMPLOYMENT

Instructor, **Virginia Tech**, Blacksburg, VA, USA — Aug 2021- present

RESEARCH INTERESTS

Operator Theory, Functional Analysis, Geometry of Banach spaces.

RESEARCH ARTICLES

- Botelho, F., **Dey, P.**, Ilisevic, D. (2020); *Hermitian projections on some Banach spaces and related topics*, Linear Algebra and Appl., Vol 598, pp. 92–104.

- Botelho, F., **Dey, P.**; *Injective tensor products and Hermitian projections*, in preparation.

AWARDS & ACHIEVEMENTS

- Recipient of "DMS 2021 Research Award" for an excellent progress toward achieving the doctoral degree. Spring 2021
- Recipient of "Outstanding 2021 Graduate Assistant Award" — Spring 2021
- Selected to participate in the Summer Grad School "Mathematics of Big Data: Sketching and (Multi-) Linear Algebra" at MSRI, Berkley. — Summer 2021
- Recipient of "Cecil C. Rousseau award" for an excellent progress toward achieving the doctoral degree and an excellent teaching record. — Fall 2020
- Recipient of "Travel Enrichment fund", University of Memphis for presenting in "IWOTA 2019". — Summer 2019
- Recipient of AMS Travel Grant for attending "Fall Southeastern Sectional Meeting". — Fall 2018

TEACHING EXPERIENCE

- **Teaching Assistant**, University of Memphis, Department of Mathematical Sciences. — Summer 2017-
  Major Courses Taught:

  - Calculus I — Spring 2019, Summer 2018, Summer 2017
  - Calculus II — Spring 2020
  - Developed & taught Calculus II online — Summer 2020
  - Calculus III — Fall 2020, Summer 2019
  - Elementary Calculus (80 students) — Fall 2019
  - Trigonometry — Fall 2018
  - Foundation of Mathematics — Fall 2017

- **Tutor at Math Learning Center**, University of Memphis — Aug 2016-

- **Developed all course materials for calculus II to be taught remotely & asynchronously (Course materials are available to all Calculus II instructors)** — Summer 2020

- Served as a Teaching Assistant and as graduate student's mentor for the NSF project (grant: NSF#1821619) "**Promoting Success in Undergraduate Mathematics program**" (PI. John Haddock). — Fall 2019-

INVITED TALKS

- "**Recent results in Hermitian Projections on Banach spaces**" at "One day in Operator Theory", University of Memphis.   February 2020
- "**Hermitian Projections on Operator spaces**" at IWOTA 2019, University of Lisbon, Portugal.   July 2019
- "**Algebraic reflexivity of spaces of analytic functions**" at "Recent Trends in Operator Theory and Applications". May 2018

SERVICE
Worked as a facilitator for the conference "One day in Operator Theory".   February 2020
COMPUTER SKILLS

- Knowledge of LINUX, Ubuntu, LaTeX, Microsoft office.

INTEREST & ACTIVITIES
Playing Badminton, Running, Playing cricket, Playing several musical instruments.